Software to Enable Modeling & Simulation as a Service (M&SaaS)
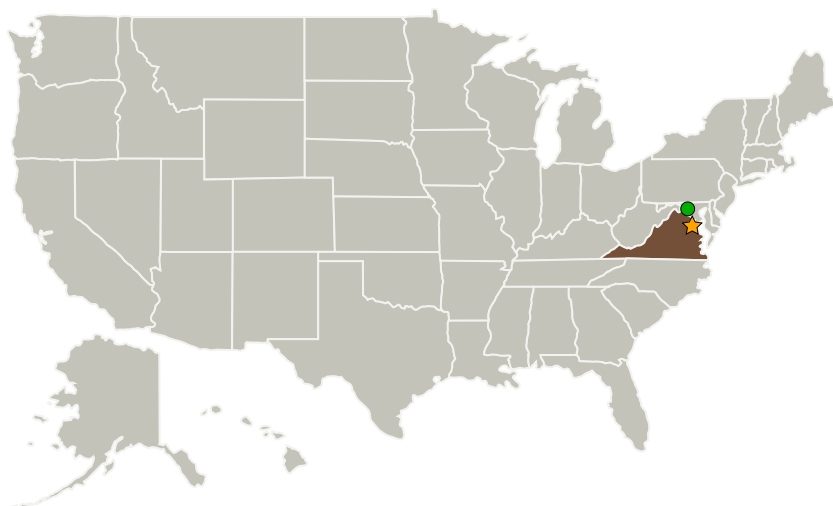
Completed Technology Project (2014 - 2015)

Project Introduction

Develop a Modeling and Simulation as a Service (M&SaaS) software service infrastructure to enable most modeling and simulation (M&S) activities to be performed from a standard web browser across cloud- and grid-enabled computing resources. The project will Allow users and developers to improve the delivery, accessibility and usability of traditional, non-service-oriented M&S software Enable productivity improvements and cost reductions that will help NASA and other organizations realize significantly higher return on M&S investments

Primary U.S. Work Locations and Key Partners

Organizations Performing Work	Role	Type	Location
⭐NASA Headquarters(HQ)	Lead Organization	NASA Center	Washington, District of Columbia
🟢Goddard Space Flight Center(GSFC)	Supporting Organization	NASA Center	Greenbelt, Maryland
Parabon Computation, Inc.	Supporting Organization	Industry	Reston, Virginia

Software to Enable Modeling & Simulation as a Service

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Organizational Responsibility

Responsible Mission Directorate:

Science Mission Directorate (SMD)

Lead Center / Facility:

NASA Headquarters (HQ)

Responsible Program:

Earth Science

TechPort

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For more information and an accessible alternative, please visit:
https://techport.nasa.gov/view/34772

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Primary U.S. Work Locations
Virginia

Project Management

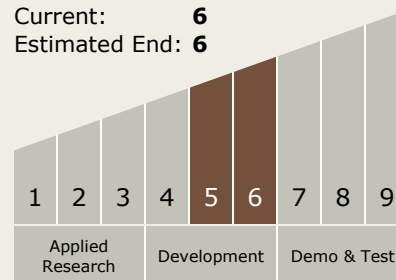**Program Director:**

George J Komar

Principal Investigator:

Mario J Bulhoes

Technology Maturity (TRL)

Start: **5**
Current: **6**
Estimated End: **6**

1	2	3	4	5	6	7	8	9
Applied Research			Development			Demo & Test		

Technology Areas

Primary:

- TX11 Software, Modeling, Simulation, and Information Processing
  └ TX11.4 Information Processing
    └ TX11.4.5 Cyber Infrastructure

Target Destination
Earth